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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**



Declaration
Submitted
With Initial
Filing

OR



Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket
Number

12093.PCT.US

First Named Inventor

Avto TAVKHELIDZE

COMPLETE IF KNOWN

Application Number

Filing Date

December 9, 2005

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Multiple Tunnel Junction Thermotunnel Device On the Basis of Ballistic Electrons

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

06/09/2004

as United States Application Number or PCT International

Application Number

PCT/US2004/018688

and was amended on (MM/DD/YYYY)

12/09/2005

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
0313317.0	GB	06/10/2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

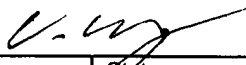
[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance completing the form, call 1-800-PTO-9199 and select option 2.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	<input type="checkbox"/> The address associated with Customer Number:		OR	<input checked="" type="checkbox"/> Correspondence address below
Name Borealis Technical Limited				
Address 23545 NW Skyline Blvd				
City North Plains		State OR		ZIP 97133-9204
Country US	Telephone +1.503.621.3286		Fax +1.503.621.3425	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Avto		Family Name or Surname TAVKHELIDZE		
Inventor's Signature 				Date 09 December 2005
Residence: City Tbilisi	State	Country Republic of GEORGIA (GE)	Citizenship GE	
Mailing Address Microelectronics Department Chavchavadze Ave. 13				
City Tbilisi	State	Zip 0179	Country Republic of GEORGIA (GE)	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Isaiah Watas		Family Name or Surname COX		
Inventor's Signature				Date 09 December 2005
Residence: City Baltimore	State Maryland	Country US	Citizenship US	
Mailing Address 3505 Bancroft Road				
City Baltimore	State MD	Zip 21215-3106	Country US	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.				

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Given Name (first and middle (if any)) Avto		Family Name or Surname TAVKHELIDZE	
Inventor's Signature			Date 09 December 2005
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Mailing Address Microelectronics Department Chavchavadze Ave. 13			
City Tbilisi	State	Zip 0179	Country Republic of GEORGIA (GE)
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Isaiah Watas		Family Name or Surname COX	
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Residence: City Baltimore	State Maryland	Country US	Citizenship US
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City Baltimore	State MD	Zip 21215-3106	Country US
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>1</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet
Page <u>1</u> of <u>1</u>	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Rodney Thomas		COX	
Inventor's Signature			09 December 2005 Date
Residence: City	Oregon State	US Country	US Citizenship
23545 NW Skyline Blvd Mailing Address			
City	North Plains	OR State	97133-9204 Zip
US Country		US Citizenship	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
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